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KRT2-Adapter for adapting on existing 25-kHz-installations to the KRT2.

Remark: This document does not claim to be complete.

Version 4.0

Adapter:

KRT2-AR3201	(Shiftlock-locking)
KRT2-ART720/FSG40	
KRT2-AR4201	
KRT2-ATR500/600	(Clip-lock)
KRT2-FSG-70	(Screw -lock)
KRT2-Microair	

The new technology is different at a few signals specially for the speaker interface.

At older systems the speaker was tied to GND on one side.

The modern technology is designed for higher audio power and therefore the interconnection requires a differential wiring.

No one side of the speaker wire must be tied to GND.

The new adapters are containing a special transformer to convert from symmetrical to asymmetrical technique.

There is a small disadvantage by limiting the output power from 12W originally to 8W.

A basic problem exists by implementations in gliders using dynamic microphones.

A general statement is the use of adapters on systems with dynamic microphones can produce a whistling feedback while on transition.

Basically it has nothing to do with the radio.

The physical background is, that any common path (wire) for microphone-GND and supply-GND will enable a feedback while transition.

This is the result of the high gain required by the dynamic microphones.

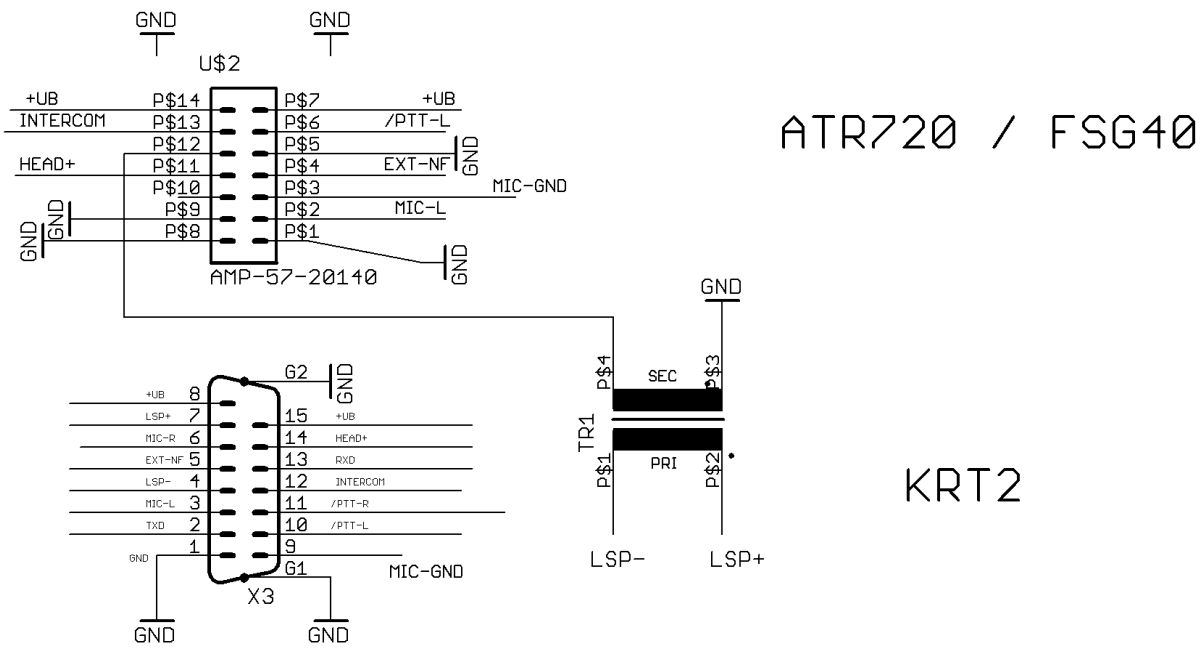
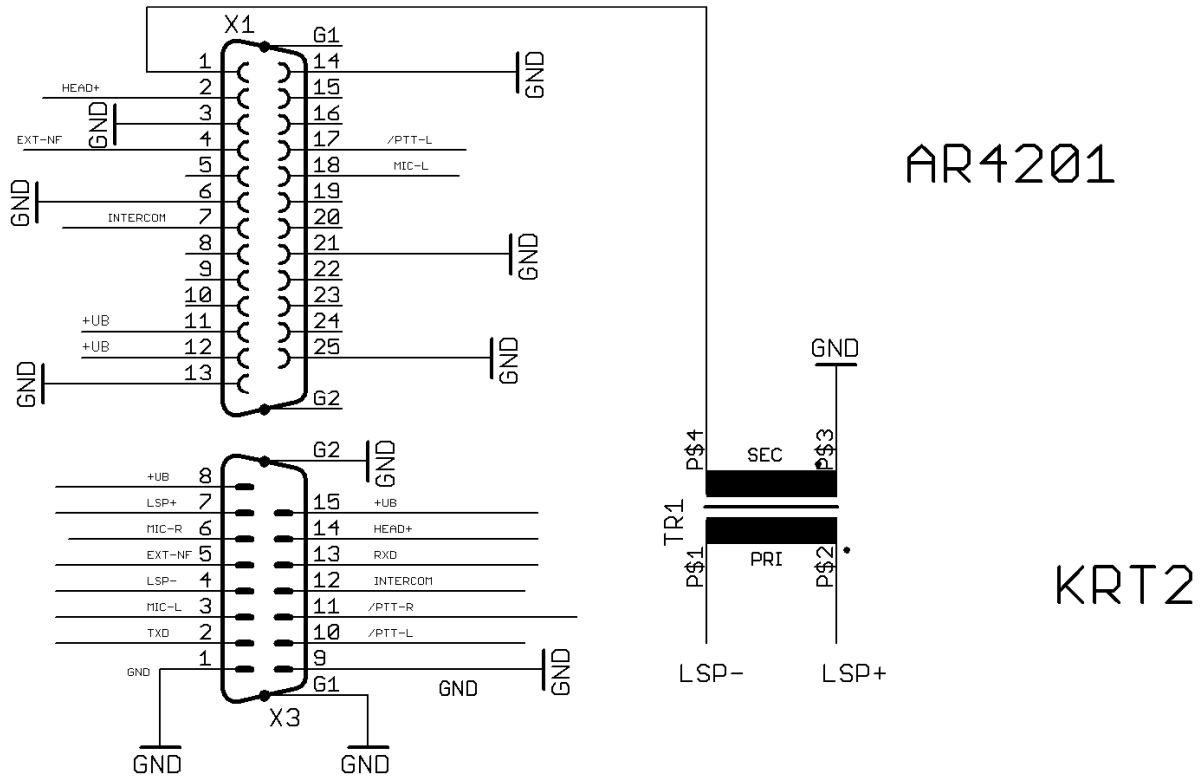
The following solutions are possible **alternatively**:

- 1.) Change the microphone-GND so that it contacts the radio case only.
- 2.) Change the power-GND so that it contacts the radio case only.
- 3.) Use a different providing a higher output level as Electret with integrated preamplifier.

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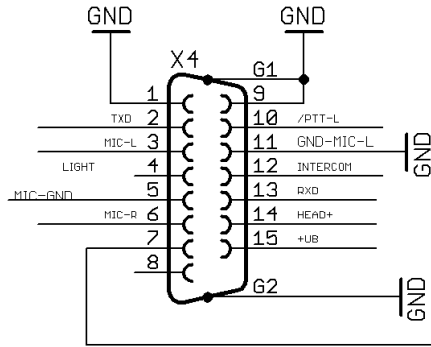
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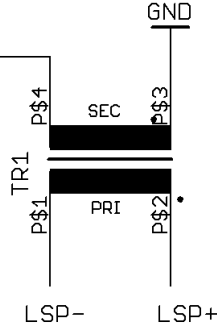
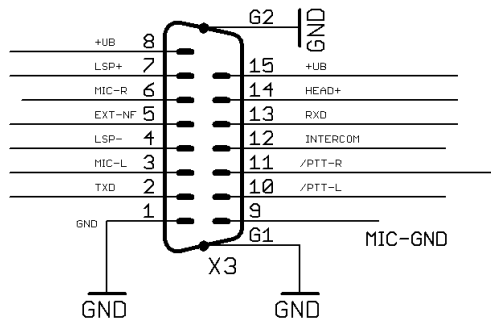
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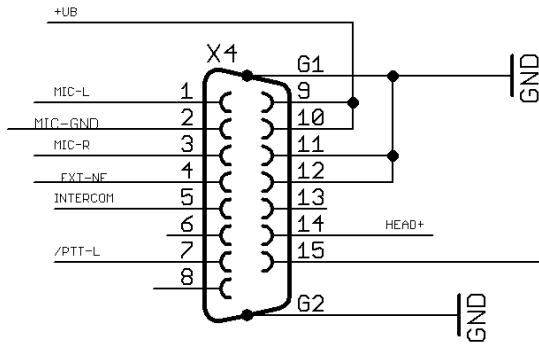
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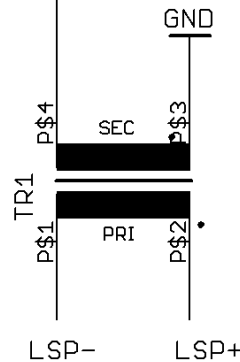
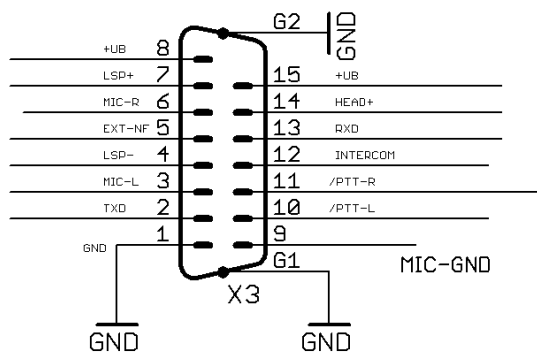
ATR500 / 600



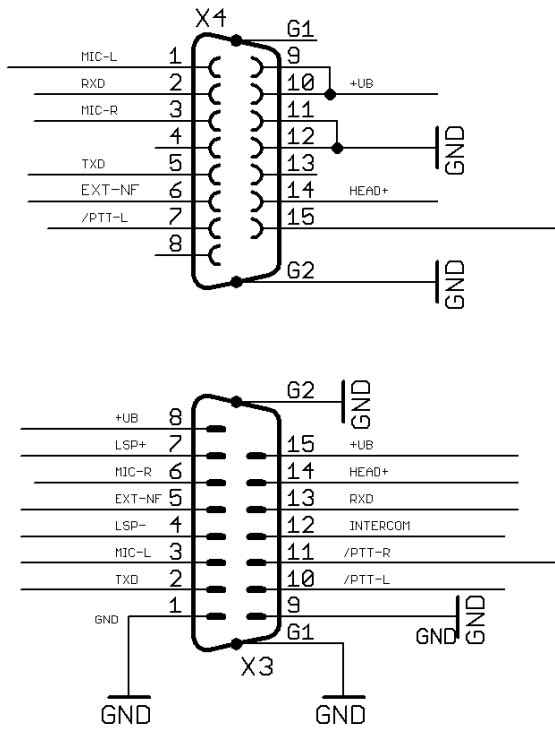
KRT2



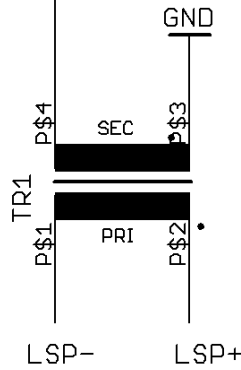
FSG70



KRT2



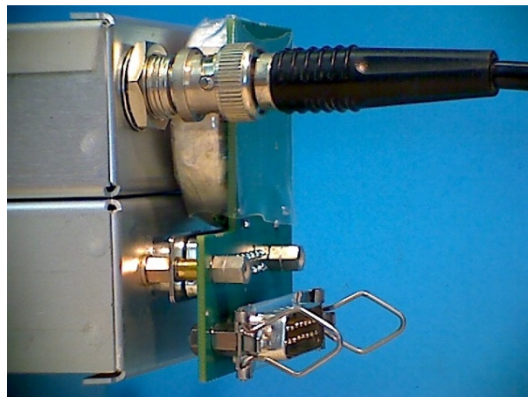
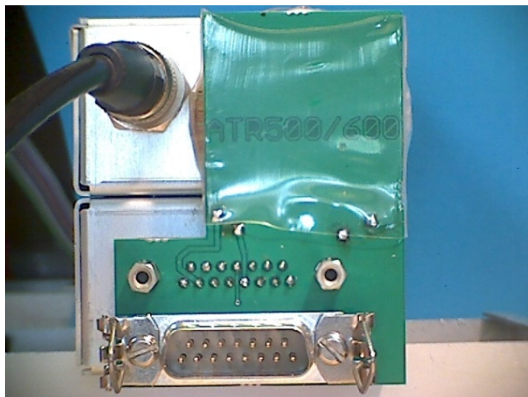
Microair

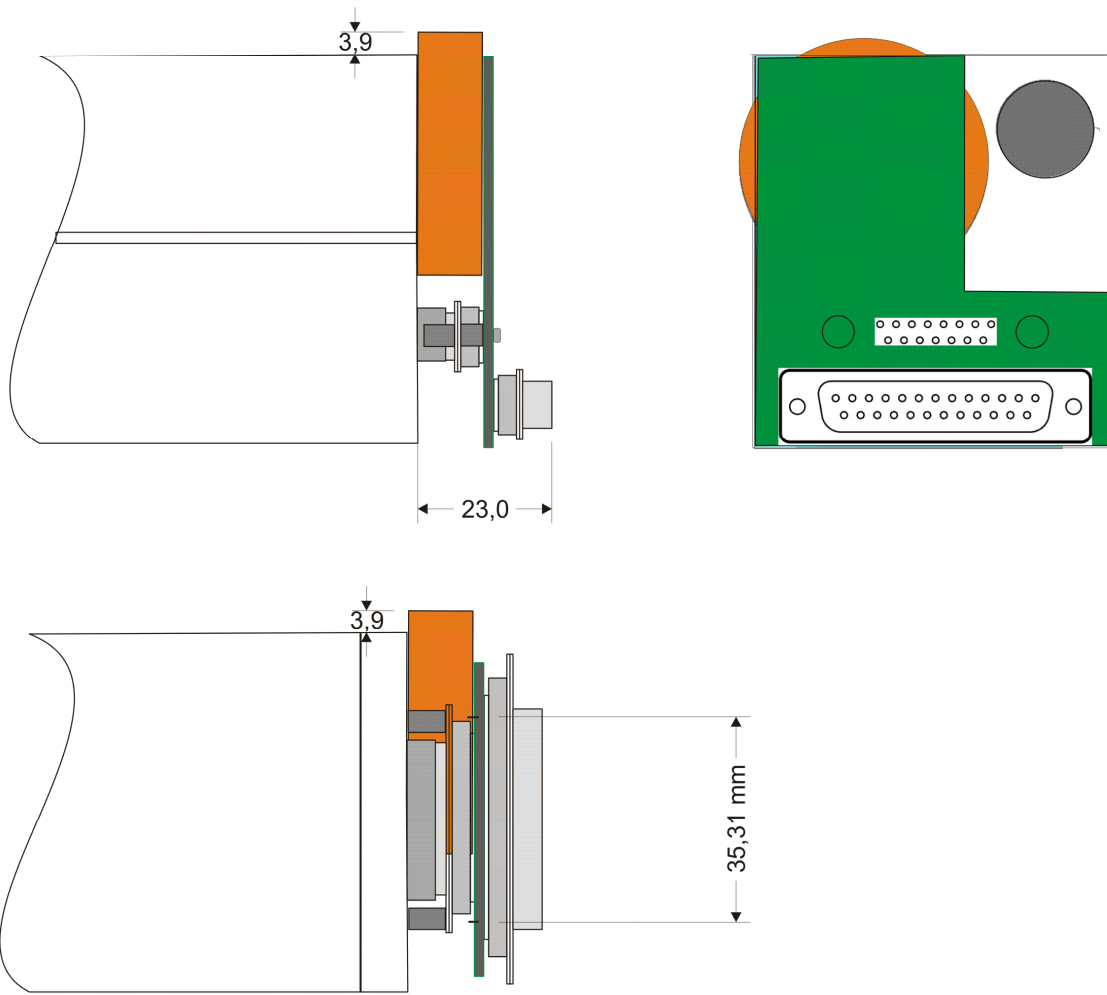


KRT2

Note:

The adapter has to be fixed screwed onto the radio at the KRT2-connector.





Adapter mit Ringkern-Trafo:

- 1.) Der Adapter muß am KRT2 angeschraubt sein.
- 2.) Die Klammer-Zugentlastung muß auf der Altgeräte-Seite sein.

KRT-2 Altgeräte-Adapter